

STATE of CALIFORNIA

Wireless E9-1-1 Project Status (December 2003)

The following summary information is extracted from the monthly Wireless E9-1-1 (W E9-1-1) Project meeting minutes. The State hosts an open meeting on the second Friday of each month at the Telecommunications Division in Sacramento for the Wireless Service Providers (WSPs), Incumbent Local Exchange Carriers (ILECs), Public Safety Answer Points (PSAPs), California Highway Patrol (CHP), Database Providers, and other stakeholders to encourage active participation with the project goals. Contact John Marengo (9-1-1 Office) at 916-657-9236 or john.marengo@dgs.ca.gov for further information.

W E9-1-1 Project General Business

- **2003 in Brief.** California's Wireless E9-1-1 leadership team and participative stakeholders have focused the statewide rollout of Wireless E9-1-1, in an efficient manner, to make numerous Phase I/II implementations possible this past year. Over 3,500 cell sectors were cut to Phase II service in 2003, with more to come in 2004. Many thanks go out to SBC, Verizon, TCS, Intrado, wireless service providers (WSPs), the California Highway Patrol (CHP), local public safety answering points (PSAPs), equipment providers, regional coordinators, the 9-1-1 Office, and all the people involved with the coordination, testing, and final implementation of W E9-1-1 service at PSAPs.
- **Implementation Map and Sector Cut Sheets.** WSPs are continuously testing and cutting over Phase I/II service to various PSAPs. For the most current update of WSP sectors cut to Wireless E9-1-1 service, see the Regional Sector Cutover Sheets at www.td.dgs.ca.gov/Services/911/we911. To schedule testing see the web site under Regional Coordinator Contacts.
- **More PSAPs Agreeing to Answer W E9-1-1 Calls Directly.** The 9-1-1 Office is getting a greater response from PSAPs volunteering to answer W E9-1-1 calls. In the first five regions there are 137 out of 277 local primary PSAPs participating.
- **W E9-1-1 FAQs.** The 9-1-1 Office updated the list of frequently asked questions (FAQs) regarding the implementation of Wireless E9-1-1 in California. There are general, specific, and technical categories of FAQs and PSAPs are encouraged to review these in advance. See the Wireless E9-1-1 FAQs listed at www.td.dgs.ca.gov/Services/911/we911.
- **GIS Funding.** GIS funding is currently a one-time allotment and is available for primary PSAPs that agree to answer wireless E9-1-1 calls directly, as well as all secondary PSAPs. PSAPs must contact their 9-1-1 Office consultant to determine their funding level and then prepare a plan showing how they intend to spend GIS funds in support of answering W E9-1-1 calls.



Wireless ALI (W-ALI) Issues

- **SBC Plans to Test E-PAM.** SBC originally only offered the "E2" and "E2+" ALISA interfaces for WSPs to connect into the SBC 9-1-1 network. After much discussion, now SBC is planning to test and offer the "Enhanced PAM" (E-PAM) interface in January 2004. The E-PAM interface will provide the class of service in the Wireless ALI (W-ALI) record to differentiate Phase I and Phase II data and also will eliminate the need for PSAP customer premise equipment (CPE) to send the NENA-recommended "trunk 97 identifier" to obtain Phase II data. Currently Verizon is using E-PAM with no problems.
- **Nextel NCAS.** Nextel has proposed a non-call path associated signaling (NCAS) solution with an E-PAM interface to support the W-ALI Class of Service differentiation for Phase I/II information. They will be testing at Palo Alto PD in January 2004.
- **Sprint PCS Intellivector.** Sprint PCS has been working to comply with the State's W-ALI record format. Their mobile positioning centers (MPCs) require an upgrade and they plan to test Intrado's Intellivector gateway solution at Whittier PD.

Regional Implementations – See map and cut sheets at www.td.dgs.ca.gov/Services/911/we911 under "Implementation Status."

- **Los Angeles Region** – Various PSAPs are cutting over sectors to Phase II service with Verizon Wireless and AT&T Wireless. WSPs are adding additional trunk groups between their MSCs and one of the seven selective routers (S/Rs) in the region for local PSAP traffic. The trunks to SBC's Hollywood S/R will remain for the large CHP traffic load. The unique intertandem operability between the seven SBC's and Verizon's S/Rs allow the most efficient network connectivity.
- **San Francisco Bay Area Region** – Phase II implementations are proceeding with Verizon Wireless, Metro PCS, and selected PSAPs with Nextel and Cingular. Implementations will continue first at PSAPs in Santa Clara, San Mateo, and Marin Counties. The target date to implement service at the CHP Golden Gate Communication Center has been moved to April 2004.
- **San Diego Region** – WSPs may be able to initiate service within the 1st quarter of 2004 at some local PSAPs. A few WSPs have requested pANIs from the 9-1-1 Office and Verizon Wireless has ordered connectivity to the SBC San Diego S/R. El Cajon PD recently became the 7th local PSAP in this region to agree to answer wireless E9-1-1 calls directly.
- **Sacramento Region** – This region, slated to start in the 2nd quarter of 2004, consists of eight counties. Most request letters have already been sent out by the State and received by WSPs. Routing meetings are to be scheduled soon.
- **Southland Region** – This region is expected to start in the 3rd quarter of 2004. PSAP solicitation will soon end and request letters will be sent out to participating PSAPs for signatures before being mailed to WSPs.
- **Central Region** – This region is expected to start in the 4th quarter of 2004. Participation is now being sought from local PSAPs to answer W E9-1-1 calls directly. The list of all the Central Region PSAPs is now posted on the website.
- **Northern Region** – This region is expected to start in 2005 and will complete the statewide W E9-1-1 implementation.